

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00813

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01L51/20 H01L51/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 278 757 A (EASTMAN KODAK CO) 17 August 1988 (1988-08-17) example 1	1,8, 16-19
X	PATENT ABSTRACTS OF JAPAN vol. 0071, no. 44 (E-183), 23 June 1983 (1983-06-23) & JP 58 056479 A (HOYA DENSHI:KK), 4 April 1983 (1983-04-04) abstract	1,8-10
X	US 5 929 561 A (ABIKO HIROSHI ET AL) 27 July 1999 (1999-07-27) figure 2	1,8,9, 16-19
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

3 August 2004

Date of mailing of the international search report

01/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Königstein, C

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00813

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>JUNG S ET AL: "Surface treatment effects of indium-tin oxide in organic light-emitting diodes"</p> <p>OPTICAL MATERIALS, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 21, no. 1-3, January 2003 (2003-01), pages 235-241, XP004395428</p> <p>ISSN: 0925-3467</p> <p>the whole document</p> <p>-----</p>	1,8, 16-19
X	<p>JIA-MING LIU ET AL: "Studies on modifications of ITO surfaces in OLED devices by Taguchi methods"</p> <p>MATERIALS SCIENCE &amp; ENGINEERING B (SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY), vol. B85, no. 2-3, 22 August 2001 (2001-08-22), pages 209-211, XP002290984</p> <p>ELSEVIER, SWITZERLAND</p> <p>ISSN: 0921-5107</p> <p>the whole document</p> <p>-----</p>	1
A	<p>WO 01/45182 A (GUENTHER EWALD KARL MICHAEL ; CHUA SOO JIN (SG); ZHU FURONG (SG); INFI) 21 June 2001 (2001-06-21)</p> <p>the whole document</p> <p>-----</p>	8-13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00813

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0278757	A	17-08-1988	US 4885211 A	05-12-1989
			CA 1291551 C	29-10-1991
			DE 3856065 D1	18-12-1997
			DE 3856065 T2	10-06-1998
			EP 0278757 A2	17-08-1988
			JP 2015595 A	19-01-1990
			JP 2723242 B2	09-03-1998
-----				
JP 58056479	A	04-04-1983	JP 1398626 C	07-09-1987
			JP 62008038 B	20-02-1987
-----				
US 5929561	A	27-07-1999	JP 9245965 A	19-09-1997
-----				
WO 0145182	A	21-06-2001	WO 0145182 A1	21-06-2001
			AU 1904100 A	25-06-2001
			DE 19983995 T0	30-01-2003
			JP 2003517183 T	20-05-2003
-----				